

fully supported by the originally filed claims.

Applicants submit herewith a substrate specification. This substitute specification is being submitted to place the claims and abstract on separate pages and to correct idiomatic English. No new matter is presented in this substitute specification.

Favorable consideration in the form of a notice of allowance is respectfully requested.

Respectfully submitted,



S. Matthew Cairns, Ph.D.  
Attorney for Applicant  
Registration No. 42,378

c/o EDWARDS & ANGELL  
Dike, Bronstein, Roberts & Cushman IP Group  
PO Box 9169  
Boston, MA 02209  
Date: August 29, 2002

ATTACHMENT A

- A /
1. A resin composite material in which a component comprising a metal element is present at a surface of a resin base, said non-charging resin composite material having a ratio of a surface resistance of said resin composite material to a resistivity of said component containing metal element is  $10^{12}$  to  $10^{17}$  ( $1/\square\cdot\text{cm}$ ).
  3. The non-charging resin composite material according to Claim 1, wherein the component containing metal element is selected from the group consisting of metals, metal arsenides, metal antimonides, metal selenides, metal tellurides, metal sulfides and metal oxides.
  4. The non-charging resin composite material according to any of Claims 1-3, wherein the metal element is a metal element selected from the group consisting of V, Cr, Mn, Fe, Co, Ni, Cu, Ga, As, Se, Mo, Ru, Rh, Pd, Ag, Cd, In, Sb, Te, Os, Ir, Pt, Au, Hg, Pb, Bi and mixtures thereof.
  5. The non-charging resin composite material according to Claim 1, wherein the resin is a resin selected from the group consisting of epoxy resin, polyimide resin, vinyl resin, phenol resin, nylon resin, polyphenylene ether resin, polypropylene resin, fluorine-based resin, ABS resin and mixtures thereof.
  6. A method for manufacturing a non-charging resin composite material, which comprises (1) treating a process wherein resin base with an ion exchange group introduction agent, (2) treating the resin base with a liquid containing metal ions, and (3) introducing a component containing metal element at the surface of the resin by a conversion treatment.

**ATTACHMENT B**  
**VERSION SHOWING CHANGES MADE**

1. (Amended) A resin composite material in which a component containing comprising a metal element is present at the-a surface of a resin base, ~~which is obtained by using a resin base treated with ion exchange group introduction agent, and treating its surface with a liquid containing metal ions to introduce metal ions, and then converting said metal ions, said non-charging resin composite material being characterized in that the~~having a ratio of the-a surface resistance of said resin composite material to the-a resistivity of said component containing metal element is  $10^{12}$  to  $10^{17}$  ( $1/\square\cdot\text{cm}$ ).
3. (Amended) The non-charging resin composite material according to Claim 1 or 2, wherein the component containing metal element is selected from a-the group comprising consisting of metals, metal arsenides, metal antimonides, metal selenides, metal tellurides, metal sulfides and metal oxides.
4. (Amended) The non-charging resin composite material according to any of Claims 1-3, wherein the metal element is a metal element selected from the group consisting of V, Cr, Mn, Fe, Co, Ni, Cu, Ga, As, Se, Mo, Ru, Rh, Pd, Ag, Cd, In, Sb, Te, Os, Ir, Pt, Au, Hg, Pb, Bi and mixtures thereof.
5. (Amended) The non-charging resin composite material according to any of Claims 1-4, wherein the resin is a resin selected from a-the group comprising consisting of epoxy resin, polyimide resin, vinyl resin, phenol resin, nylon resin, polyphenylene ether resin, polypropylene resin, fluorine-based resin, ABS resin and mixtures thereof.
6. (Amended) A method for manufacturing the-a non-charging resin composite material according to any of Claims 1-5, which comprises (1) treating a process wherein resin base is ~~treated with an~~ ion exchange group introduction agent, (2) ~~a process wherein treatment is carried out~~ treating the resin base with a liquid containing metal ions, and (3) a process wherein introducing a component containing metal element is introduced at the surface of the resin by a conversion treatment.